

CITY OF DELTA, UTAH  
CITY COUNCIL WORK SESSION  
SEPTEMBER 2, 2004

PRESENT

Gayle Bunker  
Robert Banks  
Wesley Bloomfield  
Bruce Curtis  
Margaret Dutson  
Glen Swalberg

Mayor  
Council Member  
Council Member  
Council Member  
Council Member  
Council Member

ABSENT

None

ALSO PRESENT

John Chartier  
Mike Steele  
Gregory Jay Schafer

Sunrise Engineering  
Sunrise Engineering  
City Recorder

Mayor Bunker called the Council Work Session to order at 6:00 p.m. He stated that notice of the meeting time, place and agenda had been provided to the Millard County Chronicle/Progress and to each member of the City Council at least two days prior to the meeting. Mayor Bunker stated that the purpose of the work session was to allow Sunrise Engineering to make a presentation outlining their proposal for complying with new arsenic standards for drinking water which will go into effect January 1, 2006.

John Chartier and Mike Steele, engineers for Sunrise Engineering, explained that they had been contracted by West Millard Water Agency, a consortium of water companies including Delta City, Hinckley Town, and Deseret-Oasis Special Service District, to determine how to best provide water which will comply with new arsenic standards for drinking water set by the Environmental Protection Agency and adopted by the State of Utah. The current acceptable arsenic level is 50 parts per billion (ppb) and the new acceptable level has been set at 10 ppb. The West Millard Water Agency was formed in order to allow the three local water suppliers to find a way to comply with those new standards. Mr. Chartier and Mr. Steele presented their proposal as it pertains to Delta City. Delta City currently has an adequate supply of water but the water quality will not meet new water regulations. Sunrise Engineering has explored several options for supplying water which will meet new regulations, including arsenic removal from current water supply and development of a new water supply.

Research by Sunrise Engineering showed a water source north of Delta, near the DMAD reservoir,


which would meet the 10 ppb arsenic level and would provide approximately 2,000 g.p.m. This source would require pumping the water into a central storage tank and construction of a twenty inch pipe line to connect into the Delta City system, with a continuation of the pipe line to connect into the Hinckley Town and Deseret-Oasis Special Service District water system.

Arsenic removal from current water sources would use a proven technology and utilize existing water tanks. The entire system would stay "as is" with arsenic removal equipment being installed at the Public Works yard. This would involve bringing the yard well, Sugar Factory well and the main well to a central point at the yard where the arsenic removal equipment would remove the arsenic prior to the water being released into the distribution system. A request for proposal was sent out requesting bids from arsenic removal equipment manufacturers, with several bids being received. Of the bids received, Kinetico and Filtronics were the two bidders who provided a pilot program for use by Delta City. Cost of the Kinetico treatment system would be approximately \$1.6 million, with \$950,000 of the cost being the equipment which is provided by Kinetico. Annual operation and maintenance cost is estimated at approximately \$59,000. Cost of the Filtronics treatment system would be approximately \$1.2 million. Annual operation and maintenance cost of the Filtronics system is estimated at \$144,000.

Advantages and disadvantages of each system were discussed, with Sunrise Engineering recommending the Kinetico equipment, if Delta City determines that arsenic removal is the preferred method of meeting the 2006 arsenic standards.

Mr. Chartier answered questions presented by those in attendance and distributed printed copies of the information presented.

Mayor Bunker declared the work session closed at 6:50 p.m.

  
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GAYLE BUNKER, Mayor

  
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GREGORY JAY SCHAFER, CMC, City Recorder

MINUTES APPROVED: RCCM 10-21-04

